Sony Confidential

INVENTION DISCLOSURE FORM

Sony Confidential

IPD Case #: 5575

Note: Detailed instructions for completing this form can be found in Appendix V of Sony's Patent Guide for Engineers and Inventors.

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(IPD use only)

la. Short Descriptive Title of the Invention:

Batch Mode Session-Based Encryption of Video on Demand Content

1b. Short Summary of the Invention:

> This invention provides a method for providing video on demand content encrypted using multiple different conditional access methods without the overhead of storing multiple copies of the content. It also solves the issue of providing "trick modes" (Fast Forward, Rewind, etc) using pre-encrypted content. This method reduces by a factor of 60 the equipment required to provide session based encryption to a large-scale deployment when compared to other topologies.

2. Name of Responsible Patent Coordinator (if any): Ana Reyes

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3. Identify all persons who contributed to the present invention including persons from other Sony Divisions, Sony Japan and Outside Companies. Final determination of inventorship is a legal question which will be resolved at a later time.

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(2)

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	Business Phone/Fax:	/			
	Business Email Address:				
	(Use Additional Inventors sheet if ne	ecessary)			
YY	DACKCDOURD INFORMATION				
II.	BACKGROUND INFORMATION				
1.	Do you believe this invention was develo	oped while working under or in the performance of experimental,			
	developmental or research work called f	or by a Government Contract or upon the understanding that a			
	Government Contract would be awarded?				
	☑ NO ► YES				
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2.	Has your invention been disclosed to anyor	ne outside of Sony in a speech, exhibit, presentation, product, product			
	manual, report, lecture, trade show, technic	at article, publication or otherwise?			
	NO ► ☑ YES				
3.	Is this invention related to any massions of	one Incombine Disabassas of addition			
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	✓ NO ► YES	•			
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4.	If you responded "VFS" to any of question	ng 1.2 mlanga aymlain balann			
7.	If you responded "YES" to any of question This invention was disclosed to engine				
	August 11, 2003 in a document describing	ers and senior management from the composition on			
	August 11, 2003 in a document describing in detail the operation of the technology. The information was supplied under an existing NDA with Sony with respect to the Passage project and the document				
	contained Sonv proprietary rights states	nents as well as "confidential" security markings.			
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5.	Name of product(s) or project(s) to Passage project	or whice	this	inver	itio	n was developed:		
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7. ►	Has a working model of the inven ✓ NO ► YES If yes, who has witnessed a demon	•				sted (or appropriate software been wr	ritten)?	···········
8. List below any patents, publications, articles, texts, products, etc. which describe technology similar invention including reference material which may be useful in understanding the background techno your invention: (Include a copy of each item to IPD. Please include copies of all bibliographical information).					hnology of			
Ш	I. DESCRIPTION OF THE INVE	NTIO	N					
Pr 1:	ovide a concise technical description Explain the problems, issues of these problems, issues or needs See Attached	or need	our inv ds wh	vention ich le	n in d to	the format outlined below on the fol the invention, and explain how of	lowing p hers hav	ages. e addressed
2:	identify the new or novel feature including drawings (flow charmay attach documentation in the state of the s	res of ts, sch he form	your i emati n of le	invent ics, blo etters,	ion ock me	s the problems described in paragrams. Describe the construction and opera diagrams, mechanical drawings, phosos, engineering notebook pages, etc. as necessary. Be sure each page	ation of to otograph c. if avai	he invention as, etc.) You lable, or you
3:	preference as to how to best imple techniques, etc. which you feel a here, even if there is disagreemen See Attached	lement re best nt. Ple	, build in pra ase lis	d, prod acticin st anyt	luce g y hin	tion, describe the "Best Mode" or e, or use your invention (e.g. preferre our invention). Each submitter's opin g you think will make the invention to modifications of your invention,	d parts, r nion is in better in	naterials, nportant any way.
٦	See Attached				_	Read and understood by:		
	Signature of Submitter(s)				Signatures of Witnesses (at least two witnesses preferred)			
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